

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: E.E. Schadt et al. Attorney Docket No.: ROSA134255  
Application No.: 10/567282 Art Unit: 1631 / Confirmation No.: 2454  
Filed: August 22, 2006 Examiner: C.L. Smith  
Title: COMPUTER SYSTEMS AND METHODS FOR INFERRING CAUSALITY  
FROM CELLULAR CONSTITUENT ABUNDANCE DATA

AMENDMENT AFTER FINAL

Seattle, Washington 98101

June 10, 2011

TO THE COMMISSIONER FOR PATENTS:

INTRODUCTORY COMMENTS

Please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of the claims, which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 26 of this paper.

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